RAILWAY SYSTEMS
by voestalpine

W14

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Description

W14 rail fastening system is designed for category C and D according to EN 13481-2 standard, with a maximum permissible axle load of 260 kN.

Depending on the customer requirements of the client, the system is provided with a rail pad of high or low static stiffness.

Due to the mid-loop of the clip, which is mounted over the rail foot, the rail fastening is characterized by additional flexibility.

This eliminates the risk of overloading clip arms and their plastic deformation and prevents the rotation of the rail.

The system meets the requirements of the EN 13481-2 standard.

Technical aspects of W14 system

» typical field of application – Conventional Rail with concrete sleeper on ballasted track

» axle load – max. 260 kN

» speed – for HS ≥ 250km/h, for CR ≤ 250km/h

» high rail longitudinal resistance – min. 9 kN

» electrical resistance ≥ 5 kΩ

» clamping force for SKL14 (nominal) – min. 8 kN per SKL14 tension clamp acc. to the DB drawing

» gauge adjustment in the range of ± 10 mm

» material of the rail pad: EVA, TPU

» possibility to use anti-thief screws with a triangle head shape

» all of the components can be pre-assembled in the sleeper factory